

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A device for measuring ~~a~~the turbidity of the ~~a~~rinsing liquid in a dishwasher by means of a turbidity sensor, wherein ~~that~~the turbidity sensor is incorporated into the inlet flow of the circulation pump into ~~the a~~water drain shaft of the dishwasher and continuously measures the turbidity of the rinsing liquid, and in that ~~the an~~upper and ~~a~~lower spray plane can be operated alternately, and in that a difference value is derived~~able~~ from the turbidity values associated with the upper and lower spray plane, and in that parameters for ~~the a~~quantity and ~~the a~~type of soiling ~~can be a~~re derived from the turbidity values and the difference value, and in that ~~the a~~continued course of the rinse program can be established and controlled with these parameters.
2. (Currently Amended) The device according to claim 1, wherein the turbidity value associated with ~~the~~upper spray plane is smaller than the turbidity value associated with the lower spray plane when the soiling of the rinsing liquid is identical.
3. (Currently Amended) The device according to claim 2, wherein ~~the a~~velocity of the flow of the rinsing liquid when the upper spray plane is operated is less than ~~the a~~velocity of the flow when the lower spray plane is operated.
4. (Currently Amended) The device according to claim 1, wherein an increase in the turbidity values is derivable from ~~the a~~length of time it takes until ~~the a~~rate of change in turbidity values ~~have has~~ achieved a zero value.
5. (Currently Amended) The device according to claim 4, wherein a parameter for ~~the a~~solubility of ~~the a~~soiling of ~~the~~dishes is derivable from the length of time.
6. (Original) The device according to claim 5, wherein the continued course of the rinsing program can be established and controlled with the parameter for the solubility of the soiling of

the dishes.

7. (Cancelled without Prejudice)

8. (Cancelled without Prejudice)

9. (New) A dishwasher comprising:

a chamber for supporting items to be rinsed;

an upper spray plane and a lower spray plane located in the chamber and for delivering rinse liquid therefrom to the chamber;

a liquid delivery system fluidly configured to alternately supplying rinse liquid to the upper spray plane and the lower spray plane;

a turbidity sensor generating a turbidity signal indicative of the turbidity of the rinse liquid in the chamber;

a controller operably coupled to the liquid delivery system to control the selective delivery of rinse liquid to the upper and lower spray planes and operably coupled to the turbidity sensor to receive the turbidity signal and determine an actual turbidity value for each of the upper and lower spray planes, wherein the controller determines an actual difference value between each of the actual turbidity values for the upper and lower spray planes, and establish operational parameters for a rinse cycle based upon the actual difference value.

10. (New) The dishwasher according to claim 9 wherein the controller is further configured to determine an actual time value at which a change in the sensed turbidity of the rinse liquid delivered by one of the upper spray plane and the lower spray plane equals zero.

11. (New) An apparatus according to claim 10 wherein the controller is further configured to store at least one of a preselected turbidity value, difference value, and time value representative of a preselected soiling value of items to be rinsed, and to establish operational parameters for a rinse cycle from at least one of the preselected turbidity value, difference value, and time value

and at least one of the actual turbidity value, difference value, and time value.

12. (New) An apparatus according to claim 11 wherein the controller is further configured to derive a parameter for a solubility of soiling of the items to be rinsed from the actual time value.

13. (New) An apparatus according to claim 12 wherein the controller is further configured to operate the rinse cycle based upon the parameter for solubility.